

# FILE NO. \_\_\_\_\_

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed

OW

WW

TA

GW

OS

PA

Location Inspected

Bond released

State of Fee Land

## LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

ES

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

*Sub-Surface Directional Survey 2-2-62*

*Continuous Dipmeter*

# PUBCO PETROLEUM CORPORATION

BOX 1419

ALBUQUERQUE, NEW MEXICO

TELEPHONE CHAPEL 7-8835

November 22, 1961

Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 11, Utah

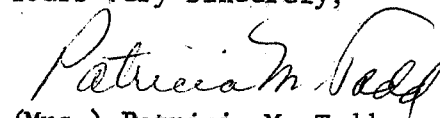
Attention of Mr. Cleon B. Feight  
Executive Secretary

Gentlemen:

We are enclosing herewith three copies of our Notice of Intention to Drill the Pubco Lisbon Federal #3-27C well located in the northeast quarter of the northwest quarter, Section 27, Township 30 South, Range 25 East, San Juan County, Utah.

We should greatly appreciate being notified of the action taken by the Oil and Gas Conservation Commission with respect to this Notice.

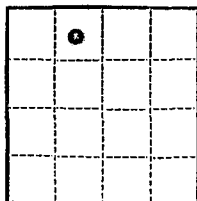
Yours very sincerely,



(Mrs.) Patricia M. Todd  
Secretary to Mr. Gorham

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Enclosures 3



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office **Salt Lake City**

U 012451

Lease No. \_\_\_\_\_

Unit \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 21, 1961

Pubco Lisbon Federal  
Well No. **#3-27C** is located ~~354~~ <sup>660</sup> ft. from ~~N~~ <sup>S</sup> line and ~~2000~~ <sup>1980</sup> ft. from ~~E~~ <sup>W</sup> line of sec. **27**  
**NE 1/4 NW 1/4 Section 27** **30S** **25E** **S.L.M.**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** **San Juan** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~center~~ <sup>ground</sup> above sea level is **6679** ft.

## DETAILS OF WORK

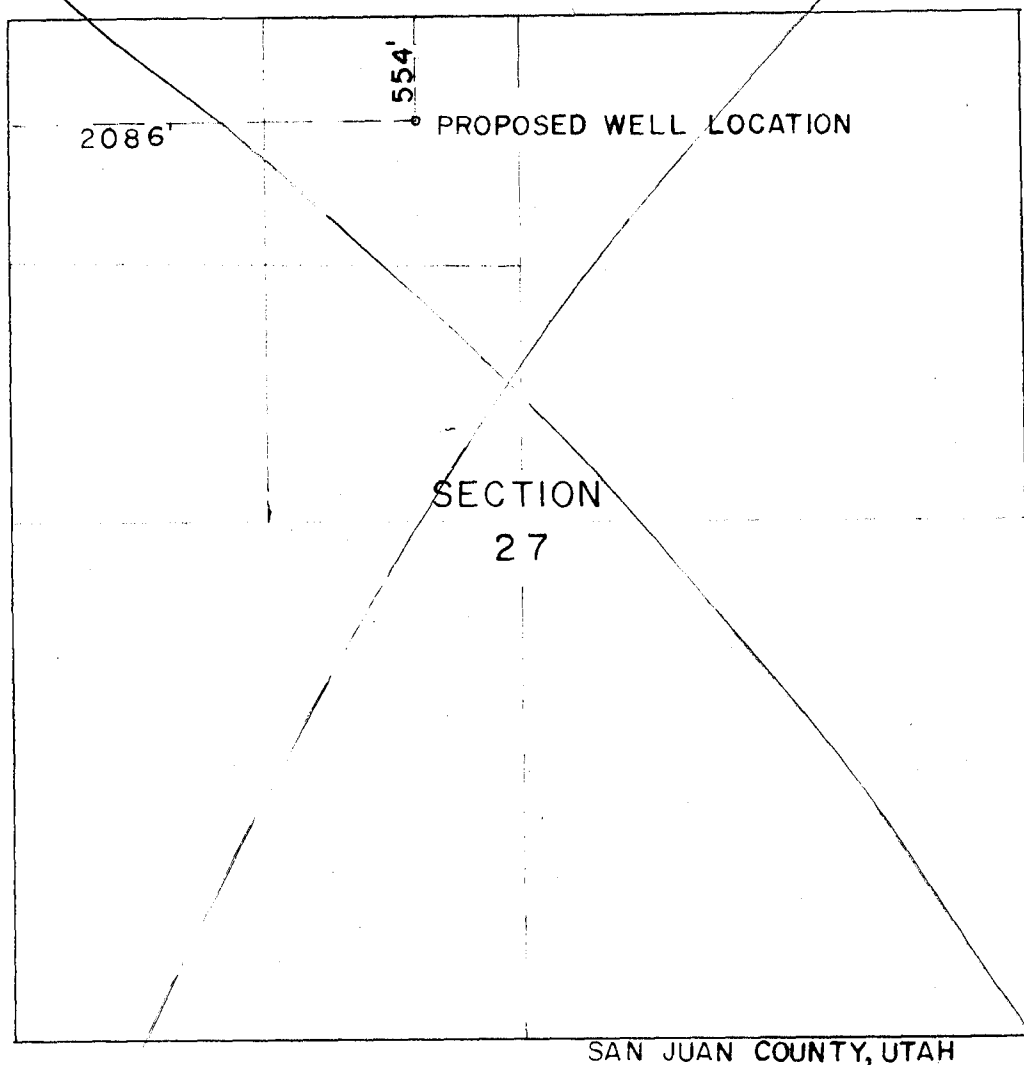
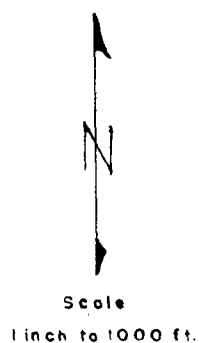
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to drill w/rotary to TD of 9700' to test the Mississippian for gas. A 17-1/4" hole will be drilled to 200', set 13-3/8" casing, circulate cement to surface; 12-1/4" hole will be drilled to  $\pm$  2100', set 9-5/8" intermediate casing w/400 sx; 8-3/4" hole will be drilled thru the Mississippian formation, estimated to be  $\pm$  9700'. The hole will be logged to TD. Shows will be cored and tested. If well proves commercial, 7", 26# and 29# casing will be run to TD. 150 sx cement will be placed from TD to the base of the salt. A two-stage cementing collar will be run near the base of the salt and will be cemented with approximately 300 sx. Another cementing collar will be placed at approximately 4000' and cemented with approximately 300 sx of cement, which will bring the cement to approximately 50' above the top of the salt. Pennsylvanian-Hermosa formation on surface. Anticipated spud date December 1, 1961. Nation Wide Bond previously submitted and on file at Bureau of Land Management, Santa Fe, New Mexico.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Pubco Petroleum Corporation**Address **Bank of New Mexico Building****P. O. Box 1419****Albuquerque, New Mexico**By   
**Frank D. Gorham, Jr.**  
Title **Executive Vice President**

TOWNSHIP 30 SOUTH, RANGE 25 EAST, S. L. M.



PROPOSED LOCATION OF  
*PUBCO LISBON FEDERAL NO. 3, 27-C WELL*  
OF THE  
*PUBCO PETROLEUM CORPORATION*  
SITUATED

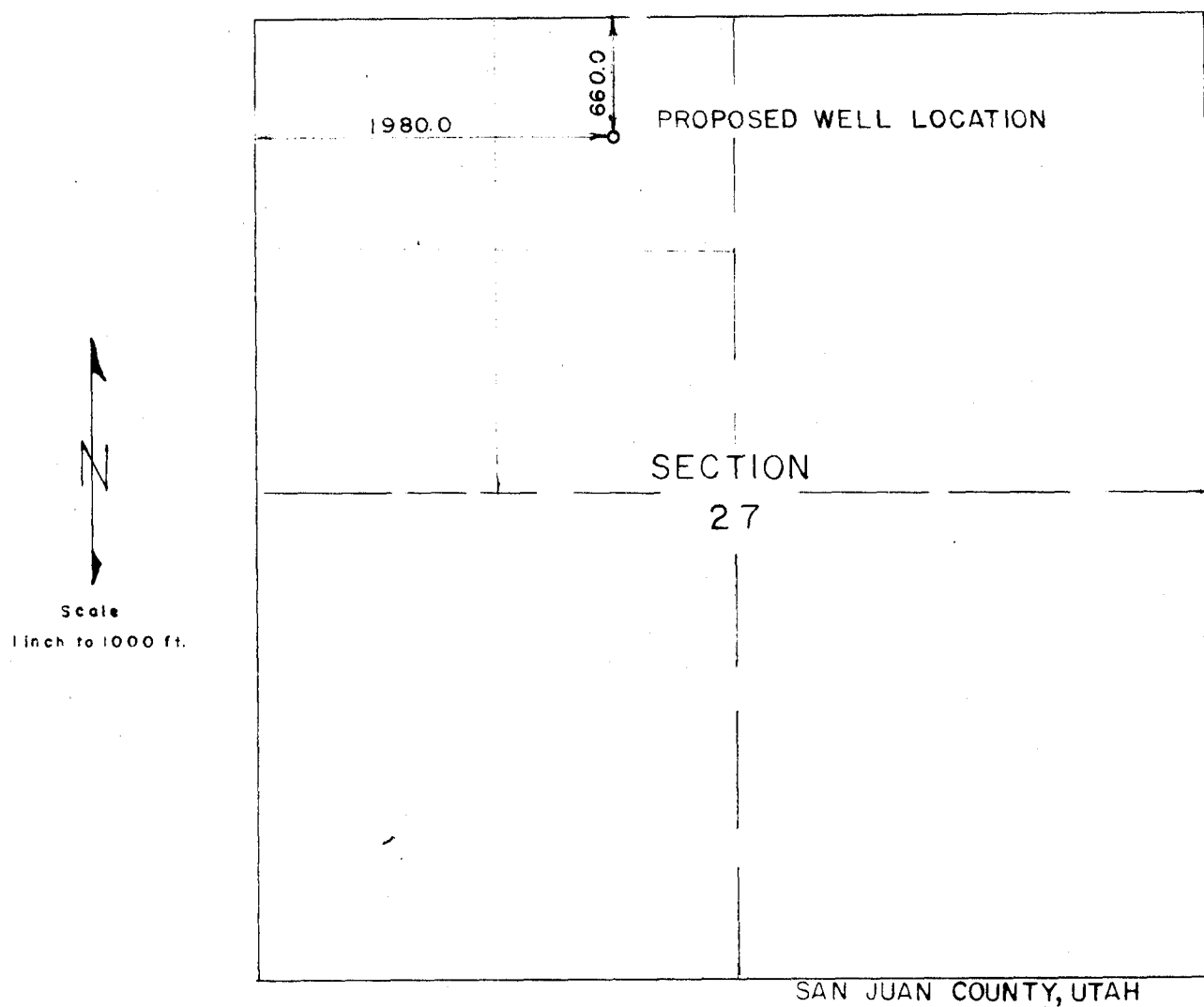
2086 Feet East of the West Line and 554 Feet South of the North Line  
of Section 27, Township 30 South, Range 25 East, S. L. M.

Elevation 6679 Ft. Ground (Ungraded)

Surveyed By, *A. R. Shelton*

A. R. Shelton  
Registered Engineer and Surveyor  
American Fork, Utah  
November 20, 1961

TOWNSHIP 30 SOUTH, RANGE 25 EAST, S. L. M.



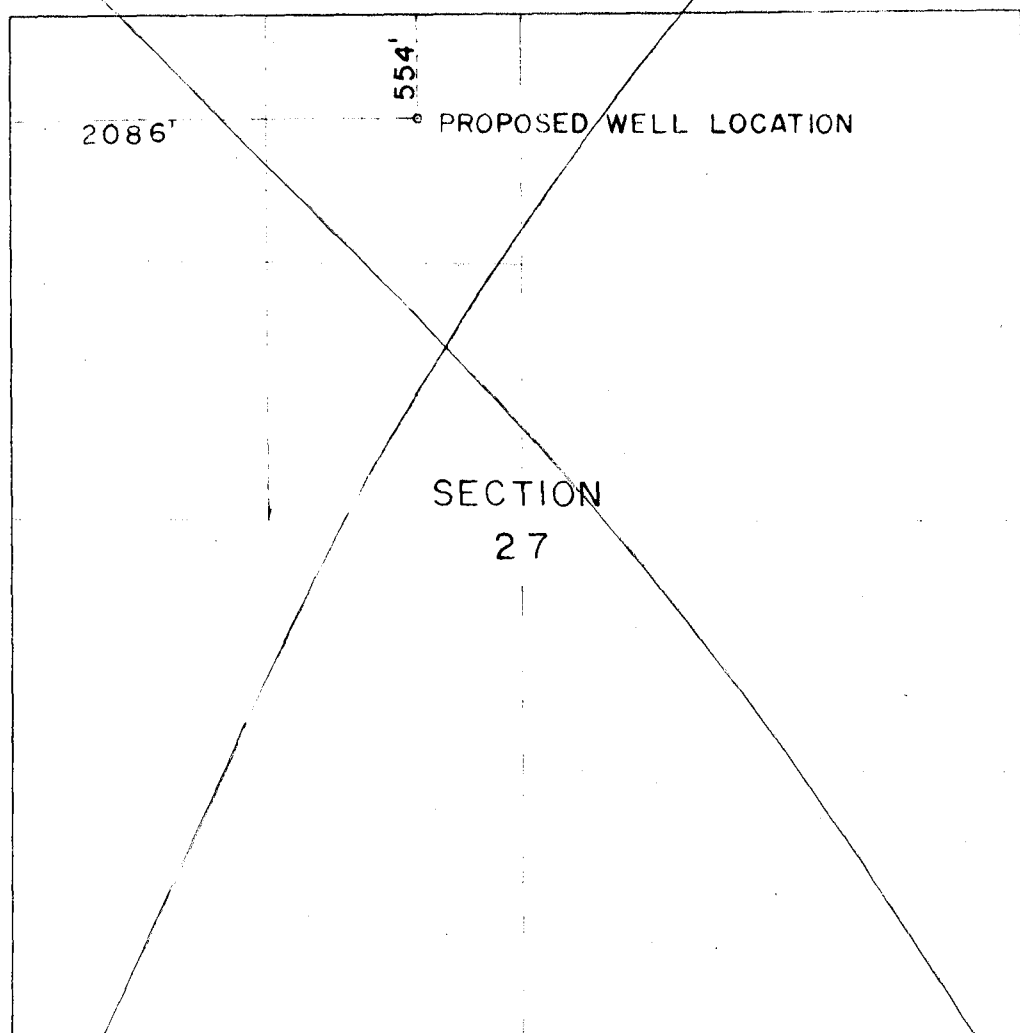
**AMENDED**  
PROPOSED LOCATION OF  
**PUBCO LISBON FEDERAL NO. 3, 27-C WELL**  
OF THE  
**PUBCO PETROLEUM CORPORATION**  
SITUATED

1980 Feet East of the West Line and 660 Feet South of the North Line  
of Section 27, Township 30 South, Range 25 East, S. L. M.

Elevation 6686 Ft. Ground (Ungraded)

Surveyed By, *A. R. Shelton*  
A.R. Shelton  
Registered Engineer and Surveyor  
American Fork, Utah  
November 28, 1961

TOWNSHIP 30 SOUTH, RANGE 25 EAST, S. L. M.



SAN JUAN COUNTY, UTAH



Scale

1 inch to 1000 ft.

PROPOSED LOCATION OF  
*PUBCO LISBON FEDERAL NO. 3, 27-C WELL*  
OF THE  
*PUBCO PETROLEUM CORPORATION*  
SITUATED

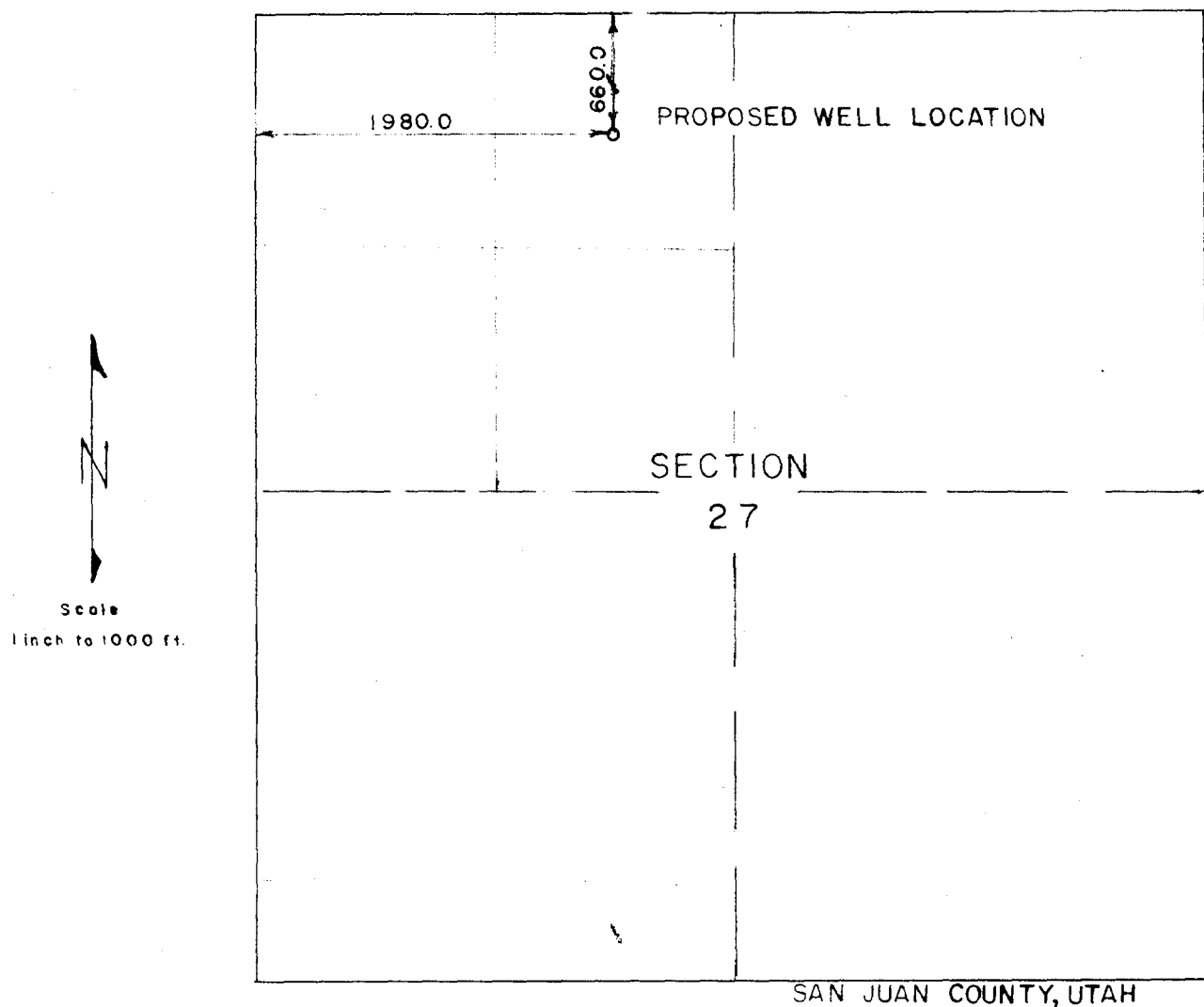
2086 Feet East of the West Line and 554 Feet South of the North Line  
of Section 27, Township 30 South, Range 25 East, S. L. M.

Elevation 6679 Ft. Ground (Ungraded)

Surveyed By, *A. R. Shelton*

A. R. Shelton  
Registered Engineer and Surveyor  
American Fork, Utah  
November 20, 1961

TOWNSHIP 30 SOUTH, RANGE 25 EAST, S. L. M.



**AMENDED**  
PROPOSED LOCATION OF  
**PUBCO LISBON FEDERAL NO. 3, 27-C WELL**  
OF THE  
**PUBCO PETROLEUM CORPORATION**  
SITUATED

1980 Feet East of the West Line and 660 Feet South of the North Line  
of Section 27, Township 30 South, Range 25 East, S. L. M.

Elevation 6686 Ft. Ground (Ungraded)

Surveyed By, *A. R. Shelton*

A. R. Shelton  
Registered Engineer and Surveyor  
American Fork, Utah  
November 28, 1961

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(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake CityLease No. U 012451

Unit \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	X	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 30, 1961

Pubco Lisbon Federal  
Well No. #3-27C is located 660 ft. from ~~Sc~~<sup>N</sup> line and 1980 ft. from ~~EW~~<sup>W</sup> line of sec. 27

C NE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 27  
( $\frac{1}{4}$  Sec. and Sec. No.)30S  
(Twp.)25E  
(Range)S.L.M.  
(Meridian)Wildcat  
(Field)San Juan  
(County or Subdivision)Utah  
(State or Territory)

The elevation of the ~~drill floor~~<sup>ground</sup> above sea level is 6686 ft.

## DETAILS OF WORK

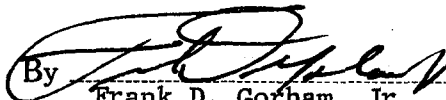
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to drill w/rotary to TD of 9700' to test the Mississippian for gas. A 17-1/4" hole will be drilled to 200', set 13-3/8" casing, circulate cement to surface; 12-1/4" hole will be drilled to  $\pm$ 2100', set 9-5/8" intermediate casing w/400 sx; 8-3/4" hole will be drilled thru the Mississippian formation, estimated to be  $\pm$ 9700'. The hole will be logged to TD. Shows will be cored and tested. If well proves commercial, 7", 26# and 29# casing will be run to Td. 150 sx cement will be placed from TD to the base of the salt. A two-stage cementing collar will be run near the base of the salt and will be cemented with approximately 300 sx. Another cementing collar will be placed at approximately 4000' and cemented with approximately 300 sx of cement, which will bring the cement to approximately 50' above the top of the salt. Pennsylvanian-Hermosa formation on surface. Anticipated spud date December 1, 1961. Nation Wide Bond previously submitted and on file at Bureau of Land Management, Santa Fe, New Mexico.

(This Notice changes only the location of the subject well.)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pubco Petroleum CorporationAddress Bank of New Mexico BuildingP. O. Box 1419Albuquerque, New Mexico

By   
Frank D. Gorham, Jr.  
Title Executive Vice President



December 4, 1961

Pubco Petroleum Corporation  
Bank of New Mexico Building  
P. O. Box 1419  
Albuquerque, New Mexico

Attn: Frank D. Gorham, Jr., Exec. Vice President

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Pubco Lisbon Federal #3-27C, which is to be located 660 feet from the north line and 1980 feet from the west line of Section 27, Township 30 South, Range 25 East, SEM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Please have the enclosed "Minimum Safety Requirements" notice posted in a conspicuous place on the drilling location.

Should it become necessary to plug and abandon said well would you please contact one of the following named individuals in advance of said plugging:

ROBERT L. SCHMIDT, Chief Petroleum Engineer  
Office Phone: DA 8-5771 or DA 8-5772  
Home Phone: AM 6-8616

**Pubco Petroleum Corporation**  
**Attn: Frank D. Gorham, Jr.**

**December 4, 1961**  
**Page -2-**

**C. B. FEIGHT, Executive Director**  
**Office Phone: DA 8-5771 or DA 8-5772**  
**Home Phone: HU 5-2721**

**Very truly yours,**

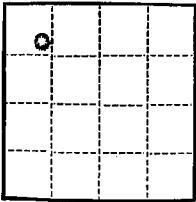
**OIL & GAS CONSERVATION COMMISSION**

**CLEON B. FEIGHT,**  
**EXECUTIVE DIRECTOR**

**CBF:avg**  
**cc: Jerry W. Long, Dist. Eng.**  
**U. S. Geological Survey**

**H. L. Coonts - OGCC, Moab**

**Enclosure**



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

Land Office Salt Lake City  
Lease No. U 012451  
Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	XX
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Artec, New Mexico December 14, 1961

Lisbon Federal  
Well No. 3-27 is located 554 ft. from [N] line and 2086 ft. from [W] line of sec. \_\_\_\_\_  
Section 27 30 South 25 East S.L.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wilcox San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ground 10220 or above sea level is 6579 ft.

DETAILS OF WORK

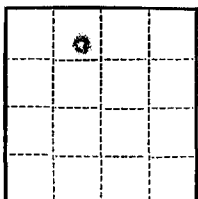
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 12-4-61

Ran 7 jts. 13 3/8", H-40, 48#, ST&C casing.  
Landed at 226' from KB.  
Cemented w/250 sax regular, 2% CaCl<sub>2</sub>.  
WOC at 9:00 A.M. 12-5-61

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PURCO PETROLEUM CORPORATION  
Address 108 West Chuska  
Artec, New Mexico  
By B. H. Waychoff, Jr.  
Title District Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**

Lease No. **U 012451**

Unit \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		<b>Set Intermediate String</b>	<b>XX</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**Astec, New Mexico** **December 22, 19 61**

**Lisbon Federal**  
Well No. **3-27** is located **554** ft. from **[N]** line and **600** ft. from **[W]** line of sec. \_\_\_\_\_

**Section 27** **30 South 25 East** **S.L.M.**  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wilcox** **San Juan** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the **Ground** above sea level is **6072** ft.

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**Run 69 jts. 9 5/8", CPAL, 35#, J-55 casing landed at 2210 KB.**  
**Cemented w/100 sax regular, 6 gal; 100 sax Latex.**  
**Plug down at 5:00 P.M. 12-21-61.**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **FURCO PETROLEUM CORPORATION**

Address **103 West Church**

**Astec, New Mexico**

By **B. H. Weyhoff, Jr.**  
Title **District Engineer**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah

LEASE NUMBER U 012451

UNIT \_\_\_\_\_

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1951.

Agent's address 108 West Chuska, Aztec, N.M. Company PUBCO PETROLEUM CORP.

Signed John H. H. H. H.

Phone 334-6157 Agent's title District Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE ¼ NW ¼ 27	30S	25E	3-27	-	-0-	--	-0-	-0-	-0-	Drilling at 5785 Ft.

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City, Utah

Lease No. U - 012451

Unit \_\_\_\_\_

	X		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
Notice to temporarily abandon well	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Artes, New Mexico January 24, 19 60

Lisbon Federal  
Well No. 3-27-C is located 554 ft. from [N] line and 2000 ft. from [W] line of sec. \_\_\_\_\_

Section 27 30 South 25 East S.L.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6497 ft. TD

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to set a cement plug from TD of 9580 KB to 9000, covering all of the Mississippi-Molas shale and base of the salt at 9227 KB; set a second plug from 3728 KB to 2100 KB, covering all Potash zones. No permanent cap will be set for approximately two weeks so if it is felt necessary the well may be re-entered.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PURCO PETROLEUM CORPORATION

Address 100 West Cienega

Artes, New Mexico

By \_\_\_\_\_

B. E. Waychoff, Jr.  
Title District Engineer

(SUBMIT IN TRIPLICATE)

	X	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. U - 01451

Unit \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	XX
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Artes, New Mexico January 24, 19 60

Lisbon Federal  
Well No. 3-27-C is located 554 ft. from N line and 200 ft. from W line of sec. \_\_\_\_\_

MIAMI, Section 27 30 South 25 East S.L. MERIDIAN  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wilcox Soc. Area Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5,971 ft.

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth of 9500 feet KB, was reached.

A 150 sack, 50-50 Pomix, 66 gal, salt saturated plug was set from 9500 to 9600.  
A set plug of 450 sack 50-50 Pomix, 66 gal, salt saturated cement was set from 3728 KB to 4100 KB.  
WOC at 4:00 A.M., 1-24-62.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PLACO PETROLEUM CORPORATION

Address 100 West Chaska

Artes, New Mexico

By D. H. Waycott, Jr.  
Title District Engineer

Telephone  
247-8835



Post Office Box 1419  
Albuquerque, New Mexico

January 31, 1962

Mr. Cleon B. Feight  
UTAH OIL & GAS CONSERVATION COMMISSION  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 2, Utah

Dear Mr. Feight:

A copy of the Eastman Sub-Surface Directional Survey on the Pubco Lisbon Federal 3-27-C is enclosed for your records.

Very truly yours,

A handwritten signature in dark ink, appearing to read "N. E. Maxwell, Jr.", written in a cursive style.

N. E. Maxwell, Jr.  
Manager, Production Department

NEMJr/ct

Enclosure

cc: Pubco Petroleum Corp., Aztec, New Mexico  
Mr. F. D. Gorham, Jr.  
PF







*'Symbol of Service'*

# REPORT of SUB - SURFACE DIRECTIONAL SURVEY

PUBCO PETROLEUM CORPORATION  
COMPANY

LISBON FEDERAL NO. 3-27-C  
WELL NAME

30S 25E Sec. 27 SAN JUAN CO., UTAH  
43-037-10944 LOCATION

JOB NUMBER

RS-12362

TYPE OF SURVEY

MULTIPLE SHOT & SINGLE SHOT

DATE

JANUARY, 1962

SURVEY BY

OFFICE



# RECORD OF SURVEY

JOB NO. RS-12 62

DATE January, 1962

CHECKED BY \_\_\_\_\_

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES					
								NORTH	SOUTH	EAST	WEST		
1	99	23	00° 30'			86	N 01° E	86		02			
2	192	95	01° 20'			2 18	N 17° E	2 94		66			
3	286	05	01° 20'			2 17	N 17° E	5 02		1 29			
4	379	83	01° 25'			2 32	N 11° E	7 30		1 73			
5	474	91	01° 15'	474	80	2 07	N 10° E	9 34		2 09			
6	569	36	01° 00'			1 65	N 19° E	10 90		2 63			
7	661	69	01° 20'			2 15	N 11° E	13 01		3 04			
8	753	71	01° 30'			2 41	N 11° E	15 38		3 50			
9	843	99	01° 55'			3 02	N 04° E	18 39		3 71			
10	935	59	02° 15'	935	28	3 60	N 01° E	21 99		3 77			
11	1023	28	02° 35'			3 95	N 05° E	25 92		4 11			
12	1113	01	02° 30'			3 91	N 09° E	29 78		4 72			
13	1205	49	03° 00'			4 84	N 06° E	34 59		5 23			
14	1300	56	03° 20'			5 52	N 01° E	40 11		5 33			
15	1395	29	02° 25'	1394	42	4 00	North	44 11		5 33			
16	1485	73	02° 20'			3 68	North	47 79		5 33			
17	1580	61	01° 35'			2 62	N 10° W	50 37		4 88			
18	1673	21	01° 30'			2 43	N 25° W	52 57		3 85			
19	1765	41	01° 35'			2 55	N 26° W	54 86		2 73			
20	1855	26	01° 50'	1854	17	2 88	N 25° W	57 47		1 51			
21	1948	26	02° 10'			3 52	N 39° W	60 21				71	
22	2041	76	02° 30'			4 08	N 37° W	63 47			3 17		
23	2136	34	02° 30'			4 12	N 30° W	67 04			5 23		
24	2226	59	03° 00'			4 72	N 21° W	71 45			6 92		
25	2338	00	02° 35'	2336	42	5 02	N 03° W	76 46			7 18		



# RECORD OF SURVEY

JOB NO. RS-12 62

DATE January, 1962

PAGE 2

CHECKED BY \_\_\_\_\_

STATION	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		COURSE DEVIATION		DRIFT DIRECTION	RECTANGULAR COORDINATES							
									NORTH		SOUTH		EAST		WEST	
26	2486	00	02° 00'	3447	21	5	17	N 02° W	81	63					7	36
27	2732	00	02° 00'			8	59	N 02° E	90	21					7	06
28	2970	00	03° 00'			12	45	N 01° E	102	66					6	84
29	3250	00	03° 10'			15	46	N 29° E	116	18			66			
30	3450	00	02° 40'			9	30	N 41° E	123	20			6	76		
31	3665	00	03° 15'	4523	64	12	19	N 51° E	130	87			16	23		
32	3854	00	03° 20'			10	98	N 70° E	134	63			26	55		
33	4095	00	02° 30'			10	51	S 56° E	128	75			35	26		
34	4310	00	02° 50'			10	62	S 36° E	120	16			41	50		
35	4528	00	03° 30'			13	30	S 33° E	109	01			48	74		
36	5300	00	05° 10'	6244	43	69	56	S 40° W	55	73			4	03		
37	5560	00	06° 10'			27	92	S 32° W	32	05					10	76
38	5875	00	06° 25'			35	22	S 25° W	0	13					25	64
39	6120	00	05° 05'			21	71	S 26° W			19	38			35	16
40	6257	00	05° 20'			12	73	S 37° W			29	55			42	82
41	6380	00	04° 35'	7166	75	9	83	S 42° W			36	85			49	40
42	6655	00	04° 15'			20	38	S 62° W			46	42			67	39
43	6955	00	03° 05'			16	14	S 75° W			50	60			82	98
44	7087	00	01° 20'			3	08	S 44° W			52	82			85	12
45	7181	00	02° 30'			4	10	S 39° W			56	01			87	70
46	7306	00	02° 15'	7784	15	4	91	S 54° W			58	90			91	67
47	7390	00	02° 50'			4	15	S 53° W			61	40			94	98
48	7510	00	04° 00'			8	38	S 69° W			64	40			102	80
49	7713	00	05° 00'			17	70	S 67° W			71	32			119	09
50	7800	00	05° 05'			7	71	S 71° W			73	83			126	38



# RECORD OF SURVEY

JOB NO. RS-12 62

DATE January, 1962

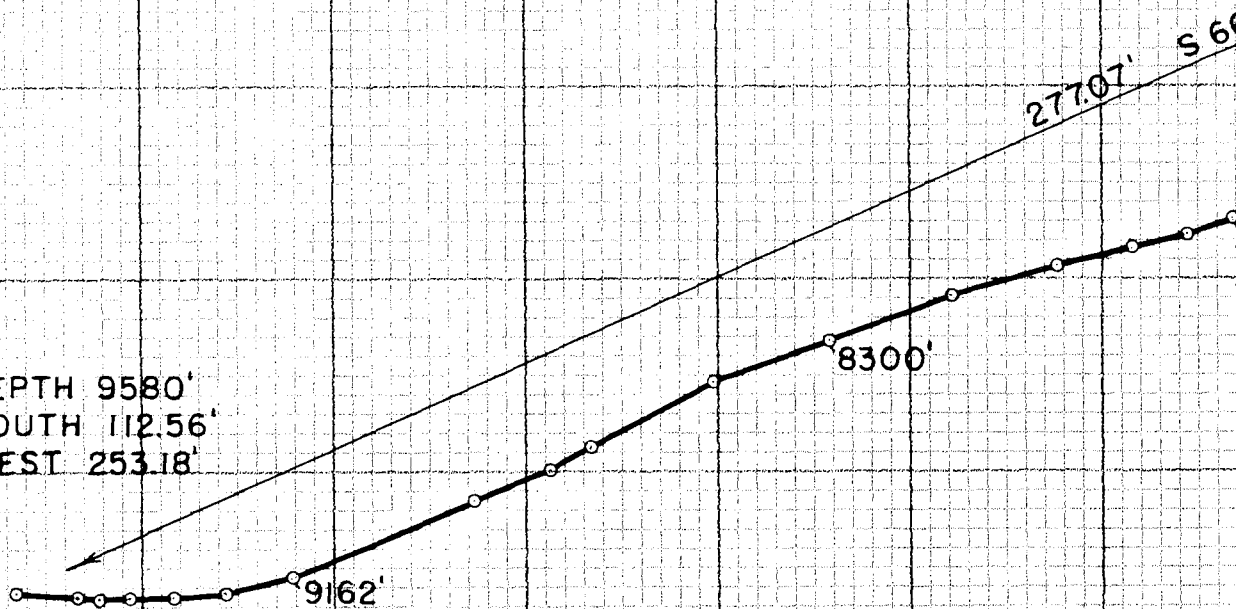
PAGE 3

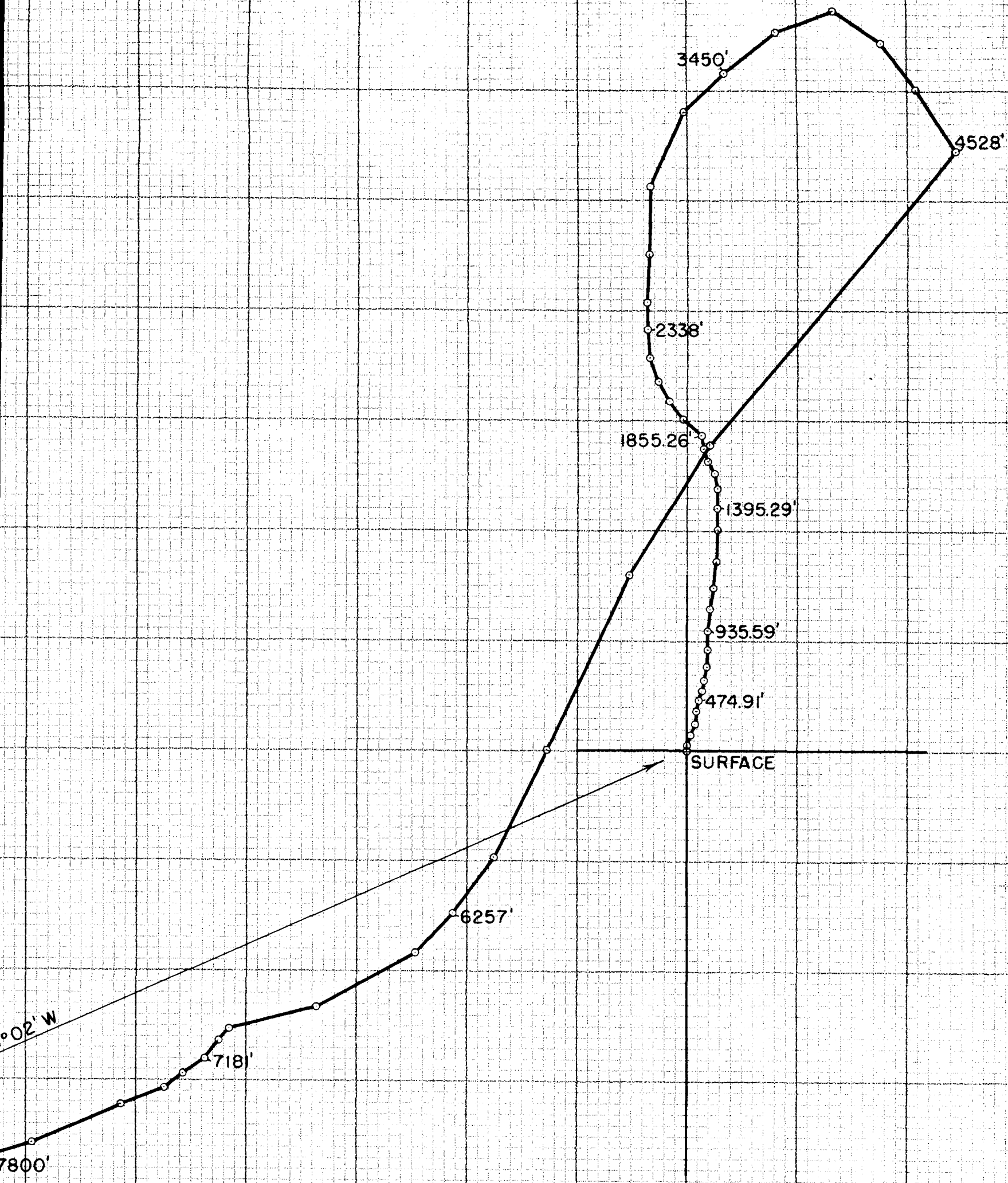
CHECKED BY \_\_\_\_\_

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH		COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES							
							NORTH		SOUTH		EAST		WEST	
51	7856 00	05° 10'			5 05	S 73° W			75 31				131 21	
52	7929 00	04° 45'			6 04	S 74° W			76 97				137 02	
53	8011 00	05° 30'			7 86	S 78° W			78 60				144 71	
54	8140 00	05° 10'			11 62	S 74° W			81 80				155 88	
55	8300 00	04° 45'			13 25	S 70° W			86 33				168 33	
56	8480 00	04° 05'			12 82	S 70° W			90 71				180 38	
57	8700 00	03° 50'			14 72	S 62° W			87 62				193 38	
58	8770 00	03° 55'			4 78	S 63° W			99 79				197 64	
59	8900 00	03° 45'			8 50	S 68° W			102 97				205 52	
60	9162 00	04° 30'	9142	05	20 57	S 67° W			111 01				224 45	
61	9268 00	03° 55'			7 24	S 78° W			112 52				231 53	
62	9343 00	04° 05'			5 34	S 85° W			112 99				236 85	
63	9404 00	04° 25'			4 70	S 89° W			113 07				241 55	
64	9443 00	04° 10'			2 84	S 87° W			113 22				244 39	
65	9479 00	04° 00'			2 51	N 85° W			113 00				246 89	
66	9580 00	03° 35'	9559	05	6 31	N 86° W			112 56				253 18	
CLOSURE 277.07' S 66° 02' W														



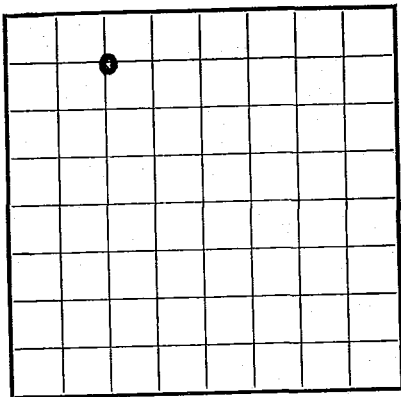
DEPTH 9580'  
SOUTH 112.56'  
WEST 253.18'





JOB № RS-1262

*Eastman*  
OIL WELL  
SURVEY COMPANY

U. S. LAND OFFICE \_\_\_\_\_  
SERIAL NUMBER \_\_\_\_\_  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYTEMPORARILY ABANDONED  
LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pubco Petroleum Corporation Address P. O. Box 1419, Albuquerque, NM  
Lessor or Tract Federal U-012451 Field Lisbon Valley State Utah  
Well No. 3-27-C Sec. 27 T. 30S R. 25E Meridian SLM County San Juan  
Location 660 ft. {N./S.} of N. Line and 1980 ft. {E./W.} of W. Line of Section 27 Elevation 6697  
(Derrick floor relative to sea level)The information given herewith is a complete and correct record of the well and all work done thereon  
so far as can be determined from all available records.

Signed \_\_\_\_\_

Date February 15, 1962Title Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling December 12, 19 61 Finished drilling January 24, 19 62

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

Mississippian (See DST #2 on reverse side)

No. 1, from 9512 to 9580 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>13-3/8</u>	<u>48#</u>	<u>8</u>	<u>National</u>	<u>226</u>	<u>Hovee</u>				<u>surface</u>
<u>9-5/8</u>	<u>36#</u>	<u>8</u>	<u>CP&amp;I</u>	<u>2212</u>	<u>Baker</u>				

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used	
<u>13-3/8</u>	<u>226'</u>	<u>250 reg-27 CaCl<sub>2</sub></u>	<u>two plug</u>			
<u>9-5/8</u>	<u>2212'</u>	<u>100 reg-100 latex</u>	<u>two plug</u>			

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Plugged</u>	<u>w/450 ex</u>	<u>50-50 por 6% gel, salt saturated</u>	<u>2100-3710</u>			



# MUDDING AND CEMENTING RECORD

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	226'	250 reg 27 CaCl <sub>2</sub>	two plug		
9-5/8	2212'	100 reg 100 latex	two plug		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Plugged	w/450 ex 50-50 per 6% gel,	salt saturated	2100-3710			

## TOOLS USED

Rotary tools were used from surface feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

Gary Moore \_\_\_\_\_, Driller James Morris \_\_\_\_\_, Driller

Glen Mitchem \_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
surface	1898	1898	limestone, sandstone & shale
1898	2216	318	anhydrite, limestone & black shale
2216	2350	134	gypsum, anhydrite & black shale
2350	9225	6875	salt with gypsum, dolomite & black shale breaks
9225	9354	129	shale & limestone
9354	9398	44	red shale
9398	9474	76	limestone
9474	9587	113	dolomite & limestone
surface	1898	1898	Hermosa
1898	2216	318	Paradox Ismay
2216	2350	134	Salt Residium
2350	9225	6875	Paradox Salt
9225	9354	129	Lower Paradox
9354	9398	44	Nolas
9398	9587	189	Mississippian

(OVER)

16-43094-4

**HISTORY OF OIL OR GAS WELL**

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

**Drillstem tests (Mississippian)****#1 9415-9512**

Open 1½ hrs

Rec 90' M

SIP (30) 135-135

FP 130-130

NP 5450-5450

**#2 9512-80**

Open 1 hr

Rec 5350 salt water

SIP (30) 3075-2920

FP 560-2360

NP 5400-5400

Set 450 sx plug 3720-2100 50-50 poz 6% Gel, salt saturated, January 24, 1962

FEB 23 1962

Telephone  
247-8835



Post Office Box 1419  
Albuquerque, New Mexico

February 20, 1962

Utah Oil and Gas Conservation Comm.  
Newhouse Building  
Salt Lake City, Utah

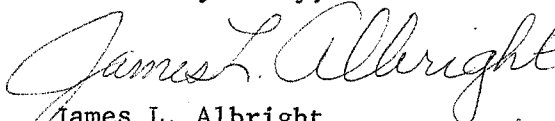
Re: Pubco Petroleum Corporation  
#3-27-C Lisbon Federal  
T30S, R25E, Section 27  
San Juan County, Utah

Gentlemen:

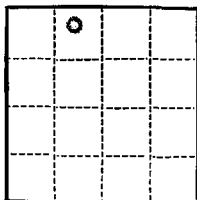
Enclosed are two copies each of the following material on the  
above captioned well:

Continuous Dipmeter  
Caliper Log  
Gamma Ray-Neutron  
Laterolog  
Report of Sub-surface Directional Survey

Yours very truly,

  
James L. Albright  
Geologist

JLA:g



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. U - 012451

Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	XX
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 7, 1952  
Artec, New Mexico  
Lisbon Federal  
Well No. 3-27-C is located 660 ft. from [N] line and 1980 ft. from [W] line of sec. XXIX  
NE 1/4 Section 27 30 South 25 East S.L.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6697 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1-24-62:

Set cement plug, 150 sax 50-50 Pozmix, from TD, 9580 KB to 9000 KB, covering all of the Mississippi-Molas shale and base of salt at 9227 KB.  
Second cement plug, 450 sax 50-50 Pozmix, from 3700 KB to 2000 KB, covering all potash zones; 9 5/8" pipe left.

3-6-62:

Set 5 sax plug cement 8' down from ground level and bolted monument to casing spool.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PUECO PETROLEUM CORPORATION

Address 108 West Chuaska

Artec, New Mexico

By Dan E. Jamieson  
Title Field Foreman